

Worksheet – Simplifying Non-Variable Radical Expressions Containing Square Roots

Directions: Please simplify the following. Express your answers with exact numbers.

1. $\sqrt{8}$

2. $\sqrt{32}$

3. $\sqrt{75}$

4. $\sqrt{72}$

5. $8\sqrt{12}$

6. $-\sqrt{20}$

7. $\frac{1}{2}\sqrt{80}$

8. $-3\sqrt{54}$

9. $\sqrt{288}$

10. $-\sqrt{99}$

11. $\sqrt{88}$

12. $\sqrt{34}$

13. $7\sqrt{108}$

14. $\sqrt{58}$

15. $\sqrt{220}$

16. $-4\sqrt{180}$

17. $3\sqrt{175}$

18. $-2\sqrt{252}$

19. $\sqrt{192}$

20. $\sqrt{245}$